

### Description:

**epple 07225** is a two-component, solvent-free cast resin on the basis of polyurethane. The medium-viscous material cures to a soft and elastic mould and provides very good adhesion to metals and various plastics.

### Application:

Thanks to its elasticity, **epple 07225** is particularly suitable for the grouting of components strained by vibration. It is mainly used to protect conductor boards and components from mechanical and chemical load, like they use to occur e.g. in construction machinery, industrial trucks or in similar sectors of industry. Typical fields of application are the protection of the electronics in remote controls or in infrared emitters and –receivers.

### Specific properties:

**epple 07225** is characterized by its very high elasticity, so that even recurring strain by elongation and compression does not lead to an immediate symptom of fatigue in the resin. It is furthermore particularly light stable, so that it may also be used in applications subject to direct solar radiation.

### Legal regulations:

Accordant to RoHS (2011/65/EU and 2015/863): yes

### Application / Surface:

- The surface has to be clean and free from dust and grease.
- Decant component B into the tin of component A. Mix the two components thoroughly and homogeneously. Eventually, fill over the mixture into another, clean container and stir the material again.

### Cleaning of tools:

Thinner 11

### Packaging:

Tins, Pails

### Basis / Characteristics

Components		Solvent-		Chemical Basis	
1-comp.	2-comp.	free	containing	Epoxy	Polyurethane

### Properties of the liquid cast resin

Property	Component A	Component B	Following to standard
Viscosity	2 – 4 Pas	3 – 6 Pas	DIN EN ISO 3219
Viscosity of mixture	2 – 6 Pas		DIN EN ISO 3219
Density	1.3 – 1.4 g/cm <sup>3</sup> / 20 °C	1.1 – 1.2 g/cm <sup>3</sup> / 20 °C	DIN 53479
Mixing rate	83 parts by weight 81 parts by volume	17 parts by weight 19 parts by volume	Gravimetric Volumetric
Colour of mixture	black		-
Loss on drying up to 140 °C	-		
Pot life	90 – 150 min		DIN VDE 0291-2
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 - 30 °C.		

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### Properties of the cured cast resin

Property	Value	Following to standard
<b>Hardness</b> (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	65 – 75 15 – 25 48 – 68 s	DIN 53505 DIN 53505 DIN 53157
<b>Temperature resistance</b> (after 7 days at 20 °C)	-20 °C to +120 °C	
<b>Absorption of water</b> 20 °C / 7 days 100 °C / 30 min	- -	ISO 62
<b>Chemical resistance</b> (after 7 days at 20 °C)	ATF-oil, engine oil water, detergent	epple-standard

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